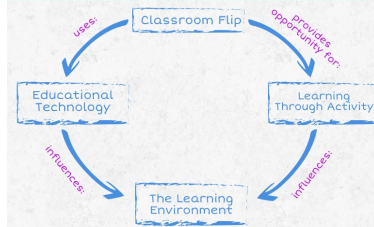


What is a flipped classroom?

The flipped classroom inverts traditional teaching practices to create more interactive methods of learning by delivering instruction online outside of the classroom and using class time for teacher-guided problem solving, analysis, and in-class discussions.

A Theoretical Framework

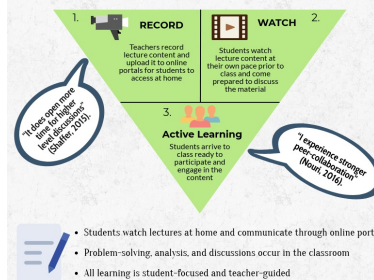
Educational technology and active learning are two key components of the flipped classroom model as both have fundamental influence on student learning environments.



Source: Jeremy F. Brayer, Ohio State University

How Does A Flipped Classroom Work?

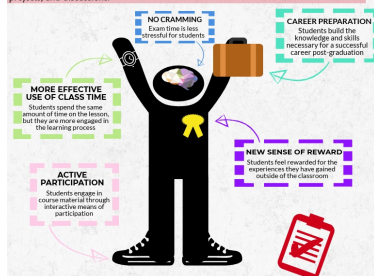
INVERTING THE CLASSROOM



- Students watch lectures at home and communicate through online portals
- Problem-solving, analysis, and discussions occur in the classroom
- All learning is student-focused and teacher-guided

Why Is A Flipped Classroom Effective?

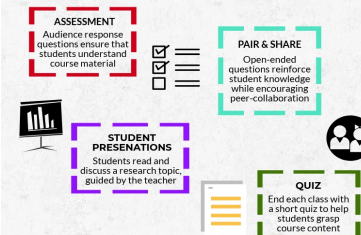
Constructivism is a learning theory that explains how people acquire knowledge, suggesting that humans learn from direct personal experiences. The frequency of these experiences can be increased in a flipped classroom through the use of activities, projects, and discussions.



What Is Active Learning?

Active learning involves any instructional method that engages students in the learning process, requiring meaningful learning activities that involve critical thinking processes. This form of educational scaffolding allows the teacher to gradually withdraw assistance in promotion of independent learning.

Active Learning Exercises



Six Tips To Start The Flip

- Identify which areas the flipped classroom model makes the most sense to use.
- Spend class time engaging students in application activities with provided feedback.
- Clarify connections between the learning that happens inside and outside of the classroom.
- Adapt your materials to be accessible to students outside of the classroom at any point in time.
- Hold students accountable for completing designated tasks outside of class time.
- Extend learning opportunities beyond the classroom through individual and collaborative practice.



Helpful Resources

- Articles:**
- One high school English teacher: On his way to a flipped classroom - Shelley Shaffer (2013)
 - The Effectiveness of the Flipped Classroom - Raymond J. Kover (2014)
 - The Effects of the Classroom Flip on the Learning Environment - Jeremy F. Brayer (2017)
 - The Flipped Classroom for active, effective and increased learning - Julia Hout (2016)
- Books:**
- Flip Your Classroom: Reaching Every Student in Every Class Every Day - Jonathan Bergmann & Aaron Sams (2012)
 - The Flipped Classroom: Practice and Principles in Higher Education - Carl Reidsma, et al. (2017)
- Video:**
- Blending technology and classroom learning: Jessie Woolley-Wilson at TEDxRainier (2012)
 - Flipping the classroom - my journey to the other side: Aera Williams at TEDxRockyView (2014)